

Purpose of SUITE

SUITE is an initiative to standardize methodologies, procedures, training, and tools for project management and systems development lifecycle management throughout the Department of Technology, Management & Budget (DTMB).

SUITE is all about implementing repeatable processes in an effort to conduct systems development activities according to Capability Maturity Model Integrated (CMMI) Level 3 requirements.

SUITE is intended to ensure reliable, cost-effective, high quality Information Technology solutions that promote customer success.

SUITE and CMMI

CMMI is an Industry standard for software maintenance and development. The focus of SUITE / CMMI is on the ability to manage the development, acquisition, and maintenance of technology products and services.

CMMI is a model for process improvement that provides a common, integrated vision of improvement for all elements of a technology-based organization. CMMI is widely adopted by the private sector as the most endorsed benchmark for delivery of reliable, high quality technology products and services.

CMMI includes 5 maturity levels: Initial, Managed, Defined, Quantitatively Managed, and Optimizing. CMMI Level 3 (Defined) focuses on consistent, repeatable, managed processes across the entire technology organization.

Benefits of SUITE

Based on recent examples from 25 organizations, the following performance measures were documented by the Software Engineering Institute:

| Improvements | Median |
|-----------------------|--------|
| Cost | 20% |
| Schedule | 37% |
| Productivity | 62% |
| Quality | 50% |
| Customer Satisfaction | 14% |
| Return on Investment | 4.7:1 |

Importance of SUITE

- **Consistency across all departments**
 - Same processes for building and delivering systems
 - Same up-front emphasis on requirements
 - Improvements in sharing information across departments
 - Focus on improved delivery of products
 - Guidance for efficient and effective improvement
- **CMMI Based**
 - Industry standard for systems development and maintenance
 - Widely adopted as benchmark for delivery of cost effective, reliable, high quality systems
 - Model for process improvement

SUITE Accomplishments

- Developed a CMMI Level 3 compliant Systems Engineering Methodology (SEM)
- Developed an integrated framework that includes the SEM and the State's Project Management Methodology (PMM)
- Extensive training developed and delivered to DTMB and customer staff
- Integrated Project Management and Systems Engineering processes
- Process Management and Support Processes are being formalized and documented
- Implementation of SEM processes in all systems development areas underway
- Processes for continuous improvement being developed and put in place

SUITE Training Offerings

- Systems Engineering Methodology (SEM) Training
- Writing a Good Business Requirement Workshop
- Effort/Duration Estimating Workshop
- Software Configuration Management Workshop
- Structured Walkthroughs and Stage Exits Workshop
- Security Plan and Assessment Workshop
- SUITE Express Training
- Introduction to CMMI Workshop

Contact your DTMB liaison for scheduling information.

More info at www.michigan.gov/suite

State Unified Information Technology Environment (SUITE)

Quick Reference



*A Ready Reference for planning
and implementing information
technology systems*

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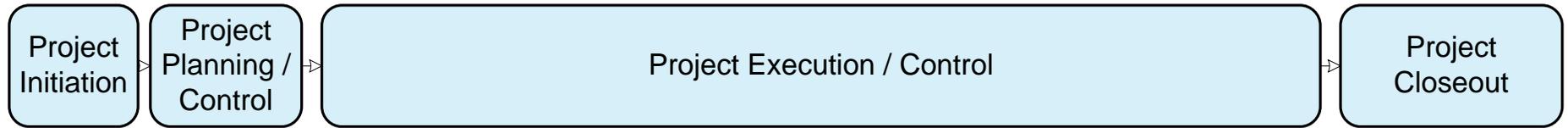
Department of Technology, Management &
Budget

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State Unified Information Technology Environment (SUITE)



Project Management



Systems Engineering



May include multiple systems development efforts within a single project

Process Management



Support Processes

